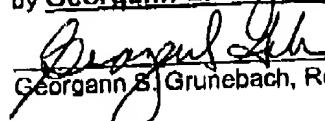


CERTIFICATE OF FACSIMILE TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to (703) 872-9306 (Centralized PTO Facsimile Number), addressed to: Mail Stop Appeal Brief - Patents, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on February 28, 2005 (date of facsimile transmission) by Georgann S. Grunebach, Reg. No. 33,179 (Name of Registered Representative)

 (Signature) February 28, 2005 (Date of Signature)
Georgann S. Grunebach, Reg. No. 33,179

RECEIVED
CENTRAL FAX CENTER

Customer Number 020991

FEB 28 2005

PATENT
Docket No: PD-200084

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Donald C. D. Chang

Date: February 28, 2005

Serial No. 09/652,862

Group Art Unit: 2683

Filed: August 31, 2000

Examiner: Ewart, James D.

For: RAPID ACQUISITION BY A GROUND-BASED BEAMFORMER

REPLY BRIEF IN RESPONSE TO EXAMINER'S ANSWER

Mail Stop Appeal Brief - Patents
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

Appellants have reviewed the Examiner's Answer mailed January 6, 2005, and submit the following remarks in response thereto.

FAX COVER SHEET

PLEASE CONFIRM RECEIPT OF THIS FACSIMILE



Attention: Examiner: James D. Ewart

Supervisory Examiner: William Trost

UNITED STATES PATENT AND TRADEMARK
OFFICE

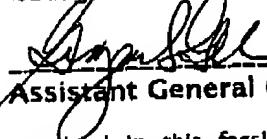
Examiner: James D. Ewart

Supervisory Examiner: William Trost

Pages: Cover + 1+3 = 5

Certificate of Transmission

From: Georgann S. Grunebach


Assistant General Counsel DIRECTV

RECEIVED
CENTRAL FAX CENTER

FEB 28 2005

Fax: (703) 872-9306

Phone: (703) 305-4826

Alt: (703) 308-5318

Date: February 28, 2005

Fax: (310) 964-0941

Phone: (310) 964-4615

The information contained in this facsimile is confidential and may also contain privileged attorney-client information or work product. The information is intended only for the use of the individual or entity to which it is addressed. If you are not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any use, dissemination, distribution or copying of this communication is strictly prohibited. If you have received the facsimile in error, please immediately notify us by telephone, and return the original message to us at the address below via the U.S. Postal Service. Thank you.

Attention: Commissioner for Patents

Please find attached Re: 09/652,862

> REPLY BRIEF in Response to Examiner's Answer of January 6, 2005

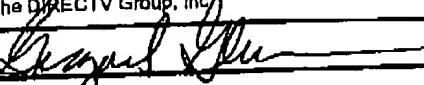
PLEASE CONFIRM RECEIPT OF THIS FACSIMILE

If you do not receive all pages, or pages are not clear, please call Karen Lum at (310) 964-0735.
The DIRECTV Group, Inc., RE / R11 / A109, P.O. Box 956, El Segundo, CA 90245-0956

PTO/SB/21 (08-04)

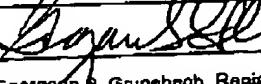
Approved for use through 07/31/2006. OMB 0510-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.													
TRANSMITTAL FORM													
(to be used for all correspondence after initial filing)													
Total Number of Pages in This Submission	4												
<table border="1"> <tr> <td>Application Number</td> <td>09/652,862</td> </tr> <tr> <td>Filing Date</td> <td>August 31, 2000</td> </tr> <tr> <td>First Named Inventor</td> <td>Donald C.D. Chang</td> </tr> <tr> <td>Art Unit</td> <td>2683</td> </tr> <tr> <td>Examiner Name</td> <td>James D. Ewart</td> </tr> <tr> <td>Attorney Docket Number</td> <td>PD-200084</td> </tr> </table>		Application Number	09/652,862	Filing Date	August 31, 2000	First Named Inventor	Donald C.D. Chang	Art Unit	2683	Examiner Name	James D. Ewart	Attorney Docket Number	PD-200084
Application Number	09/652,862												
Filing Date	August 31, 2000												
First Named Inventor	Donald C.D. Chang												
Art Unit	2683												
Examiner Name	James D. Ewart												
Attorney Docket Number	PD-200084												

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input checked="" type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		
The Commissioner is authorized to charge Deposit Account 50-0383 of The DIRECTV Group, Inc. for Reply Brief Fee of \$600.00, as well as credit any over payment.		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name	The DIRECTV Group, Inc.	
Signature		
Printed name	Georgann S. Grunebach	
Date	February 28, 2005	Reg. No. 33,178

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature 

Typed or printed name

Georgann S. Grunebach, Registration No. 33,178

Date February 28, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including the gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.